

~~Page 2, line 4, replace ".It" with --, it--;~~
~~line 7, replace "i.e." with --, i.e.,--;~~
~~line 8, after "diseases" insert --of the--;~~
~~line 9, replace "e.g." with --, e.g.,--;~~
~~line 13, replace "i.e." with --, i.e.,--;~~
~~line 17, replace CO₂/O₂" with --CO₂/O₂--;~~
~~line 19, replace "e.g." with --, e.g.,--.~~

A
~~Page 3, lines 2, 7, 9 and 10, replace "pCO₂" with "pCO₂";~~
~~line 4, delete "rhythrical"; same line, replace~~
~~"body temperature" with --cycle--;~~
~~line 10, delete "such"; same line, before "few"~~
~~insert --a--;~~
~~line 15, replace "e.g." with --, e.g.,--.~~
~~line 20, delete "such".~~

~~Page 4, line 3 after "i.e." insert --,--; same line, replace~~
~~"pCO₂" with --pCO₂--;~~
~~line 4, after "e.g." insert /,--;~~
~~between lines 8 and 9, insert the following:~~
~~--SUMMARY OF THE INVENTION--;~~
~~line 11, after "device", delete /,--;~~
~~line 16, after "i.e." insert /,--.~~

Page 5, lines 1 and 11, after "e.g." insert ---/---;

line 9, replace "only necessary" with
--necessary only--;

line 12, delete "Preferred embodiments can be
taken from the dependent claims.";

line 15, replace "CO₂" with --CO₂--;

line 16, replace "gas/es" with --gas/gasses--.

Page 6, line 7, after "fluctuations", insert ---/---;

line 10, before "a comparison", insert --to provide--;

line 11, replace "e.g." with --, e.g.,--;

lines 16 and 17, replace "pCO₂" with --pCO₂--.

Page 7, line 16, replace "e.g." with --, e.g.,--;

line 19, replace "with measurement of" with
--measure--.

Page 8, lines 2, 7, 8, 10, 13, 15 and 22, replace "pCO₂"
with --pCO₂--;

line 12, replace "i.e." with --, i.e.,--;

line 14, replace "CO₂" with --CO₂--;

line 22, replace "pO₂" with --pO₂--.

Page 9, between lines 6 and 7, insert the following:

--BRIEF DESCRIPTION OF THE DRAWINGS--;

line 7, delete "with";

line 8, replace "drawing" with --drawings--;

line 11, replace "pCO2" with --pCO₂--;

between lines 11 and 12, insert the following:

--DETAILED DESCRIPTION OF THE INVENTION--;

line 12, before "cycle" insert --a--; same line,

after "computer" insert --,--;

lines 18 and 19, replace "CO2" with --CO₂--;

last line, replace "pCO2" with --pCO₂--.

Page 10, line 2, replace "pCO2" with --pCO₂--;

line 3, replace "Sensors" with --sensors--; same
line, after "temperature" insert --,--;

lines 7 and 9, after "i.e." insert --,--;

line 8, replace "CO2" with --CO₂--.

IN THE CLAIMS:

Please cancel original claims 1 to 17, without prejudice.

Please add the following claims:

18. A method for monitoring in an animal or a human,
hormonal fluctuations, ovulation prediction, breathing function,